

Reynolds et al.

S/N: 10/604,482

REMARKS

Claims 1-25 are pending in the present application. In the Office Action mailed June 14, 2005, the Examiner rejected claims 1-25 under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement.

Claim 1 has been amended to call for a transmitter configured to detect activation of the trigger and responsive thereto transmit a signal indicative of a desired welding operation through a weld cable at a frequency within a range of approximately 1.3 Hz to 100 Hz. As described in paragraph 29 of the Specification, "[t]he transmitter is designed to produce a substantially rectangular voltage pulse that varies in width, preferably, from approximately 10 milliseconds to 750 milliseconds." One skilled in the art would recognize that 10 milliseconds corresponds to 100 Hz and that 750 milliseconds corresponds to 1.3 Hz. European patent application number 0575082A2 teaches that "[d]ue to the high interference field strengths encountered at a welding site, the minimum operating frequency of the transmitter must be at least a few megahertz." Col. 3, lns. 19-22 (emphasis added). One skilled in the art would readily understand that an operating frequency of at least a few megahertz as taught in the prior art is significantly different from the low operating frequency presently claimed. Therefore, it is believed claim 1 is patentably distinct over the prior art.

Claims 13, 19, and 25 have also been amended to call for signals approximately in the approximately 1.3 Hz to 100 Hz, or 10 millisecond to 750 millisecond, range. Therefore, claims 13, 19, and 25 also distinguish the invention from the prior art calling for operating frequencies higher than "at least a few megahertz."

Applicant believes claims 2-12, 14-18, and 20-24 are allowable at least through the chain of dependency.

By these amendments, Applicant believes the present application to be in condition for allowance. Accordingly, Applicant respectfully requests timely issuance of a Notice of Allowance for claims 1-25.

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Applicant appreciates the Examiner's consideration of these Amendments and Remarks and cordially invites the Examiner to call the undersigned, should the Examiner consider any matters unresolved.

Respectfully submitted,



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